

Universal Wire Works Inconel 62 (AMS 5679) Nickel Alloy Filler Metal

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

Material Notes:

Inconel Filler Metal 62 is a nickel chromium alloy designed for welding nickel base alloy 600 in up to 2" thicknesses using the gas tungsten arc, gas metal arc and submerged arc processes. Filler Metal 82 is recommended for sections exceeding 2". Information provided by Universal Wire Works for their line of welding wire and filler metal.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Universal-Wire-Works-Inconel-62-AMS-5679-Nickel-Alloy-Filler-Metal.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	552 MPa	80000 psi	
Tensile Strength, Yield	276 MPa @Strain 0.200 %	40000 psi @Strain 0.200 %	
Elongation at Break	30 %	30 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.080 %	<= 0.080 %	
Chromium, Cr	16 %	16 %	
Cobalt, Co	0.10 %	0.10 %	
Copper, Cu	<= 0.50 %	<= 0.50 %	
Iron, Fe	8.0 %	8.0 %	
Manganese, Mn	<= 1.0 %	<= 1.0 %	
Nb + Ta	2.0 %	2.0 %	
Nickel, Ni	71 %	71 %	
Other	<= 0.50 %	<= 0.50 %	
Phosphorous, P	<= 0.030 %	<= 0.030 %	
Silicon, Si	<= 0.35 %	<= 0.35 %	
Sulfur, S	<= 0.015 %	<= 0.015 %	

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